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Delivery Systems of Peptides and Proteins: Challenges, Status Quo and Future Perspectives

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Message from the Guest Editors

Peptides and proteins have recently become more attractive therapeutic molecules than small molecular drugs due to their high selectivity and efficacy, but fewer side effects. With the advancement of biotechnology, more and more peptides and proteins would be developed as therapeutics. Hence, versatile drug delivery systems for peptides and proteins would be an urgent need. In recent decades, a great number of scientists tried various technologies to alter the administration routes, prolong half-life or improve stability of peptides and proteins. Some technologies have been pushed toward clinical trials or even clinics, such as Eligen® for sameglutide and nasal delivery for glucagon. This special issue will collect manuscripts in delivery systems of peptides or proteins and figure out challenges, status quo and future development. Topics include formulation strategies, injectable delivery, oral delivery, nasal delivery, transdermal delivery, ocular delivery, long-acting delivery, targeted delivery of peptides and proteins and so on.



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